

**METHOD OF CORRECTION OF THE ERROR INTRODUCED BY A
MULTIBIT DAC INCORPORATED IN AN ADC**

ABSTRACT

5 A method corrects the error in an output digital signal (Out) of an
analog/digital converter (ADC) (100), in which the error is introduced by a
multibit digital/analog converter (DAC) (125) incorporated in the ADC. The
method calculates (905) coefficients ($p_i, p_i r_i$) of a linear combination of vectors
of a vector space representative of the error introduced by the DAC;
10 calculates (910-1,..., 910-7) the correlation of a signal (Res1d) containing the
error introduced by the DAC, to extract an estimation of each vector;
calculates a linear combination representative of the estimation of the error
introduced by the DAC, and uses the estimation of the error introduced by the
DAC to correct the ADC output signal.